

Application for Cement & Water
Disposal Well - 7-29-69

Approval granted in accordance
with Cause #123-1. 8-1-69

Subsequent Report of Abandonment

FILE NOTATIONS

Entered in NID File

☒

Checked by Chief

JMB

Entered On S R Sheet

☐

Copy NID to Field Office

☐

Location Map Pinned

☒

Approval Letter

In Unit

Card Indexed

☒

Disapproval Letter

☐

IWR for State or Fee Land

☐

COMPLETION DATA:

Date Well Completed 8-10-67

Location Inspected

☐

OW _____ WW _____ TA _____

Bond released

☐

GW _____ OS _____ PA ☒

State of Fee Land

☐

LOGS FILED

Driller's Log 10-4-67

Electric Logs (No.) 5

E _____ I _____ E-I _____ GP _____ GR-N _____ Micro _____

Dual I- Lat. 2 Mi-L _____ Sonic th Others _____

Sedewall Neutron Porosity Log (2)
Formation Density Log - Lithology Log
Separating Depth Control

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1714, Durango, Colorado 81301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

See Survey Plat → FEL FNL NW SE NE
882 FNL, 1706 FSL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Upper Valley Extension

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

960

17. NO. OF ACRES ASSIGNED

160

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7100

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7575 Ungr. Gr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
20	16"		60
15"	8-5/8"	24#	3100
7-7/8"	5-1/2"	14.0 & 15.5#	7100

22. APPROX. DATE WORK WILL START*

July 13, 1967

QUANTITY OF CEMENT

50 ss to sfs

320 ss

370

We plan to drill to approximate T. D. 7100'. Run IES, Density, Sonic and Caliper Logs. Run casing as shown above. potential test, run tbg and complete as an oil well.

43-012-20258

APPROVED BY UTAH OIL AND GAS
CONSERVATION BOARD

DATE: 7/10/67

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

M. K. Wagner

TITLE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

- 3 USGS, Salt Lake City
- 2 Utah Oil Conservation Commission
- 1 Sun Oil Company *See Instructions On Reverse Side
- 1 File

5. LEASE DESIGNATION AND SERIAL NO.
U-019379

6. IN INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Upper Valley

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Upper Valley Area

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec 24, T36-S, R-1-E

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE
960

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
7100

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7575 Ungr. Gr.

22. APPROX. DATE WORK WILL START*
July 13, 1967

QUANTITY OF CEMENT
50 ss to sfs
320 ss
370

23. PROPOSED CASING AND CEMENTING PROGRAM

24.

SIGNED
M. K. Wagner

TITLE

(This space for Federal or State office use)

PERMIT NO.

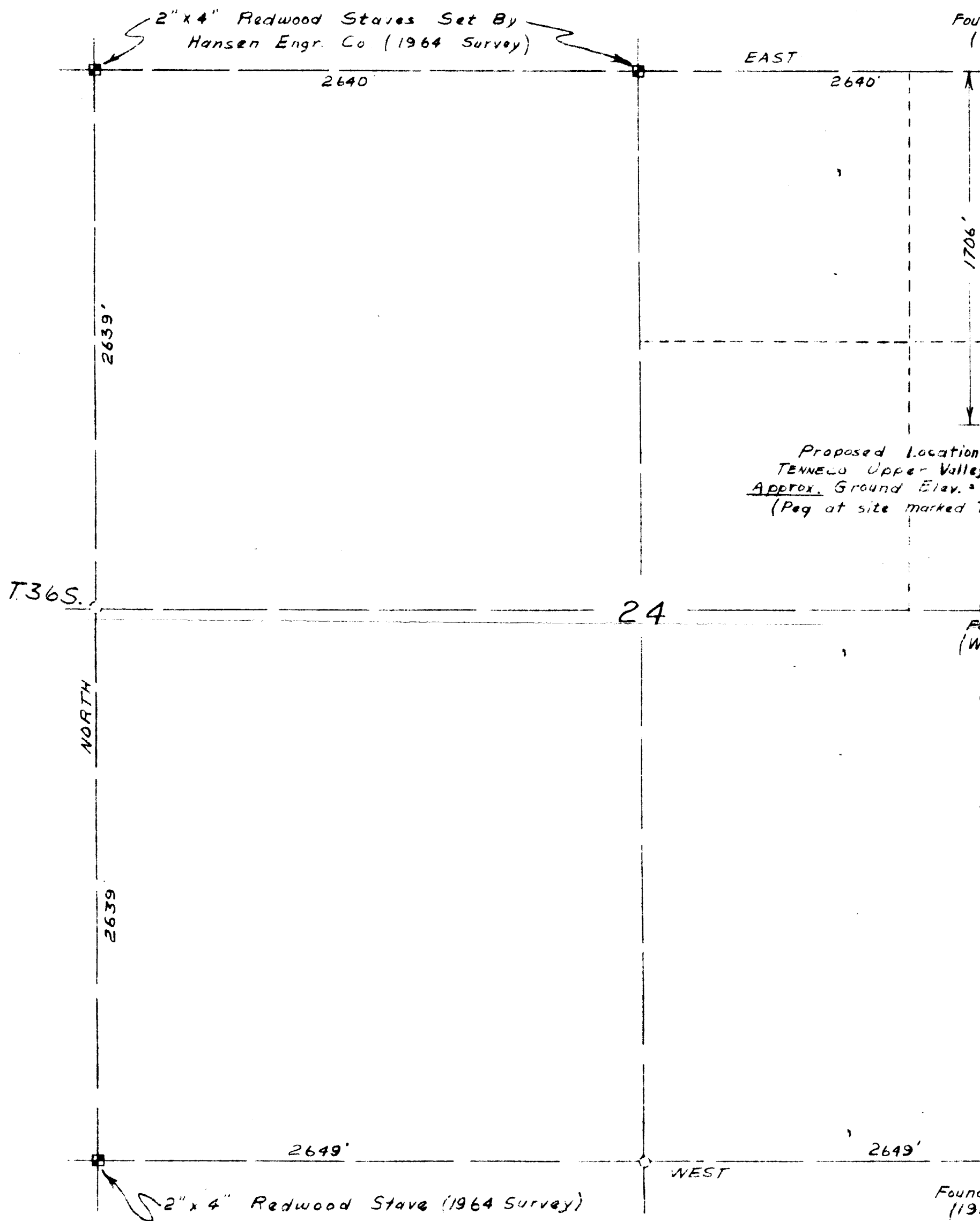
APPROVAL DATE

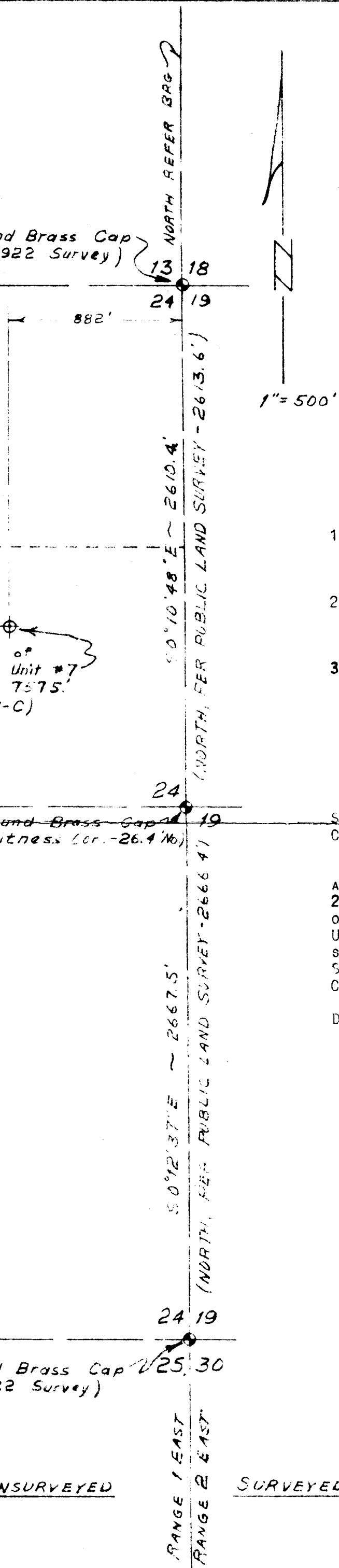
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

- 3 USGS, Salt Lake City
- 2 Utah Oil Conservation Commission
- 1 Sun Oil Company *See Instructions On Reverse Side
- 1 File

JUL 10 1967





GENERAL NOTES

1. THE SECTION AND SUBDIVISION LINES IN THIS AREA ARE TENTATIVE LOCATIONS PENDING COMPLETION OF THE OFFICIAL PUBLIC LAND SURVEY.
2. NORTH REFERENCE BEARING IS BETWEEN THE SOUTHEAST CORNER AND THE EAST QUARTER CORNER OF SECTION 13, T36S, R1E, S.1.B. & M.
3. THE GROUND ELEVATION SHOWN ON THIS PLAT IS APPROXIMATE ONLY. AN EXACT LEVEL DETERMINATION OF THE GROUND ELEVATION WILL BE MADE IN THE NEAR FUTURE.

CERTIFICATE

STATE OF UTAH)
COUNTY OF SEVIER)

I HEREBY CERTIFY THAT THE ACCOMPANYING SKETCH IS A TRUE AND CORRECT PLAT OF A SURVEY MADE UNDER MY DIRECTION ON JUNE 26 AND 27, 1967, FOR TENNECO OIL CO. TO DETERMINE THE LOCATION OF A PROPOSED OIL WELL TO BE KNOWN AS TENNECO UPPER VALLEY UNIT No. 7; SAID LOCATION BEING 882 FEET WEST AND 1706 FEET SOUTH FROM THE NORTHEAST CORNER OF SECTION 24, TOWNSHIP 36 SOUTH, RANGE 1 EAST, SALT LAKE BASE AND MERIDIAN, IN GARFIELD COUNTY, UTAH.

DATED JULY 3, 1967

Richard C. Hansen
PROFESSIONAL ENGINEER & LAND SURVEYOR
UTAH LICENSE NO. 1138
RICHFIELD, UTAH

TENNECO OIL COMPANY *A Major Component of Tenneco Inc.*

SUITE 1200 • LINCOLN TOWER BUILDING • DENVER, COLORADO 80203



July 29, 1969

Utah Oil & Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah 84111

Attention: Mr. C. B. Feight

Re: Salt Water Disposal Application
Upper Valley Unit No. 7
1706' FNL & 882' FEL
Section 24 T-36-S R-1-E
Garfield County, Utah

Dear Sir:

Tenneco Oil Company requests approval to utilize the above referenced well for the purpose of subsurface disposal of produced Kaibab water. Development of the Upper Valley Field, comprised of 16 producing wells and 2 salt water disposal wells, has progressed to the point that additional salt water disposal facilities are needed. The field now has a production capacity of 6200 BOPD and 9800 BWPB.

Upper Valley No. 5 and Upper Valley No 16 are presently serving the field as salt water disposal wells with produced water being injected into the Kaibab zone. Water production from the field has exceeded the receptivity capacity of both wells. In order to prevent surface pollution, it has become necessary to shut in one of the field's producing wells until such time as an additional salt water disposal well can be completed.

Tenneco proposes to complete Upper Valley No. 7 in the same manner as the other two disposal wells in the field. Upper Valley No. 7 was plugged and abandoned August 10, 1967, as the Kaibab zone was determined to be water productive. Minimum and maximum amounts of water to be injected into the well is 1,000 BWPB and 5,000 BWPB at a maximum pressure of 1,000 psi.

The following information pertinent to this application is enclosed.

1. Schematic diagram of well bore.
2. Plat of the Upper Valley Field
3. Electric log

TENNECO OIL COMPANY

Utah Oil & Gas Conservation Commission
Salt Water Disposal Application
July 29, 1969
Page 2

There are no offset operators located within 1/2 mile of the proposed disposal well.

The above data is in accordance with statewide rule C-11, and Tenneco therefore requests administrative approval of this application.

Should you desire further information concerning this matter, please advise.

Yours very truly,

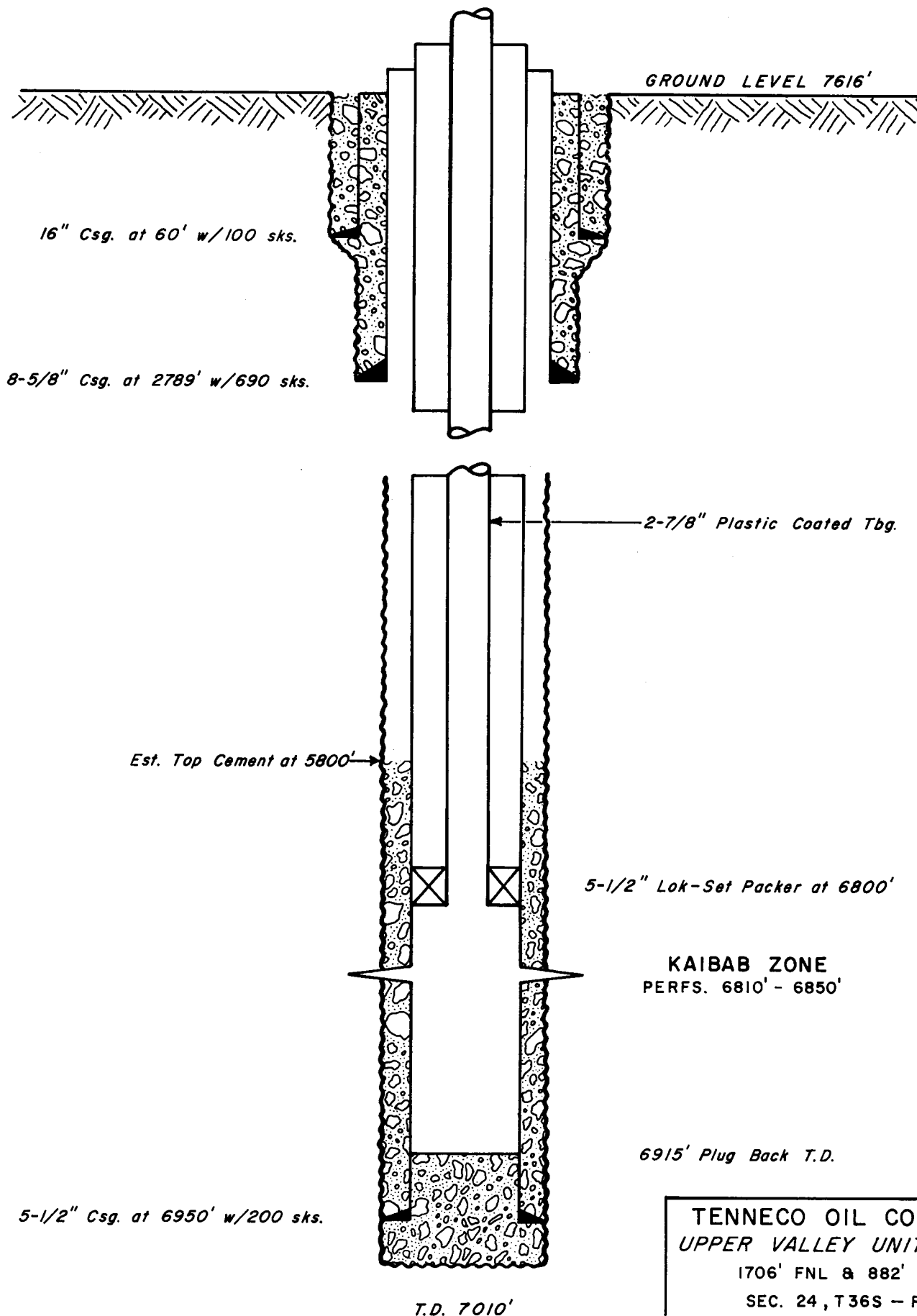
TENNECO OIL COMPANY

C. W. Nance

C. W. Nance
District Production Superintendent

JDC:ljg

Enclosures



TENNECO OIL COMPANY
UPPER VALLEY UNIT NO. 7
1706' FNL & 882' FEL
SEC. 24, T36S - R1E
GARFIELD COUNTY, UTAH

SCALE = NONE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI
(Other instruction
verse side)TE*
re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Upper Valley

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Upper Valley Unit

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 24, T-36-S, R-1-E

12. COUNTY OR PARISH

Garfield

Utah

1. OIL
WELL ☐ GAS
WELL ☐ OTHER

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1714, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

882 FEL, 1706 FNL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7575 Gr.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Spud 7/16/67. Ran 2 jts 16" casing set @ 60. Cmtd w/100 sx cmt.
WOC. Cmt Circ. Drld to 2790. Ran 90 jts 8-5/8" casing (24#).
Cmtd at 2789 w/690 sx cmt. Ran 2500' 2-1/16" 3.25# tubing strapped
to casing, and cemented. WOC. Cmt circ. Drld to T.D. 7010 on
8/4. Ran logs. Ran DST #1 from 6659-6735. Rec 100' drld mud.
DST #2: 6790-6814. Rec 1200' mud, 180' wtr cut mud, 1895' sulphur
wtr. Set straddle pkr @ 6662-6738. Acidized w/2000 gals acid. SWbd
55 BF, fluid level 4500'. Swbd acid wtr, muddy wtr, formation
wtr. No oil shows. Second run rec 200 BF, acid wtr, muddy wtr,
clear wtr.

P&A as follows: 150 sack plug from 7010-6400.. 35 sack plug from 5850-
5715, 25 sack plug from 5316-5220, 25 sack plug from 2800-2700.
10 sack plug from 0-40'. Installed dry hole marker. Rel rig 1:00 pm
8/10/67. Well P&A.

Verbal approval obtained to plug well from Mr. Curtis with USGS in
Casper, Wyoming, and Mrs. Clara Neek with the Utah Oil and Gas
Conservation Commission in Salt Lake City, Utah.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

USGS, SLC (3)
Utah O&G Comm. (2)
Sun Oil Company (1)

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U - 019379	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1714 Durango, Colorado		8. FARM OR LEASE NAME Upper Valley	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 882 FEL, 1706 FNL At top prod. interval reported below At total depth		9. WELL NO. 7	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Upper Valley Unit	
15. DATE SPUDDED 7/16/67		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 24, T36S, R1E	
16. DATE T.D. REACHED 8/5/67		12. COUNTY OR PARISH Garfield	
17. DATE COMPL. (Ready to prod.) 8-10-67 P&A		13. STATE Utah	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7617 Gr.		19. ELEV. CASINGHEAD 7575	
20. TOTAL DEPTH, MD & TVD 7010		23. INTERVALS DRILLED BY 0-7010	
21. PLUG, BACK T.D., MD & TVD		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*	
22. IF MULTIPLE COMPL., HOW MANY*		25. WAS DIRECTIONAL SURVEY MADE	

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction Laterlog, Compensated Formation Den., SNP, Borehole Comp.

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"		60'	20"	100 sacks	None
8-5/8	24#	2729	15"		
2 - 1 1/16	3.25#	tubing strapped to casing		690 sacks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) P & A Dry Hole		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) _____ AMOUNT AND KIND OF MATERIAL USED _____	
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33.* PRODUCTION							
DATE FIRST PRODUCTION P&A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) P&A				WELL STATUS (Producing or shut-in) P&A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

M. K. Wagner
M. K. Wagner

TITLE

DATE

9/5/67

*(See Instructions and Spaces for Additional Data on Reverse Side)

Rec'd P&A Date

out

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

1961 9

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP
Navajo Chinle Shinarump Moenkopi Kaibab	3210 5265 5748 5853 6651	5265 5748 5853 6651 7010				TRUM VERT. DEPTH 155

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI
(Other instruction
verse side)Form approved.
Budget Bureau No. 42-R4424.

5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 24, T-36-S, R-1-E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

1. Re-enter well for salt water disposal

OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Building - Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1706' F/NL, 882' F/EL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7575 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) Re-enter Well for SWD ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Re-enter Well No. 7 and complete as a salt water disposal well as follows:

Move in rotary rig, clean out to 6950', run 5½" casing to 6950' and cement with 200 sks cement, perforate K-4 zone 6810-6850' with 4 jets per ft. Run 5½" Lok Set packer on 2-7/8" tubing and set at 6800' + or-, acidize with 2000 gals 28% acid and complete as water injection well.

(Well originally P & A on 8/11/67)

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE

7-23-69

BY

Frederick W. Burchell

18. I hereby certify that the foregoing is true and correct

SIGNED

G. A. Ford

TITLE Sr. Production Clerk

DATE

7-21-69

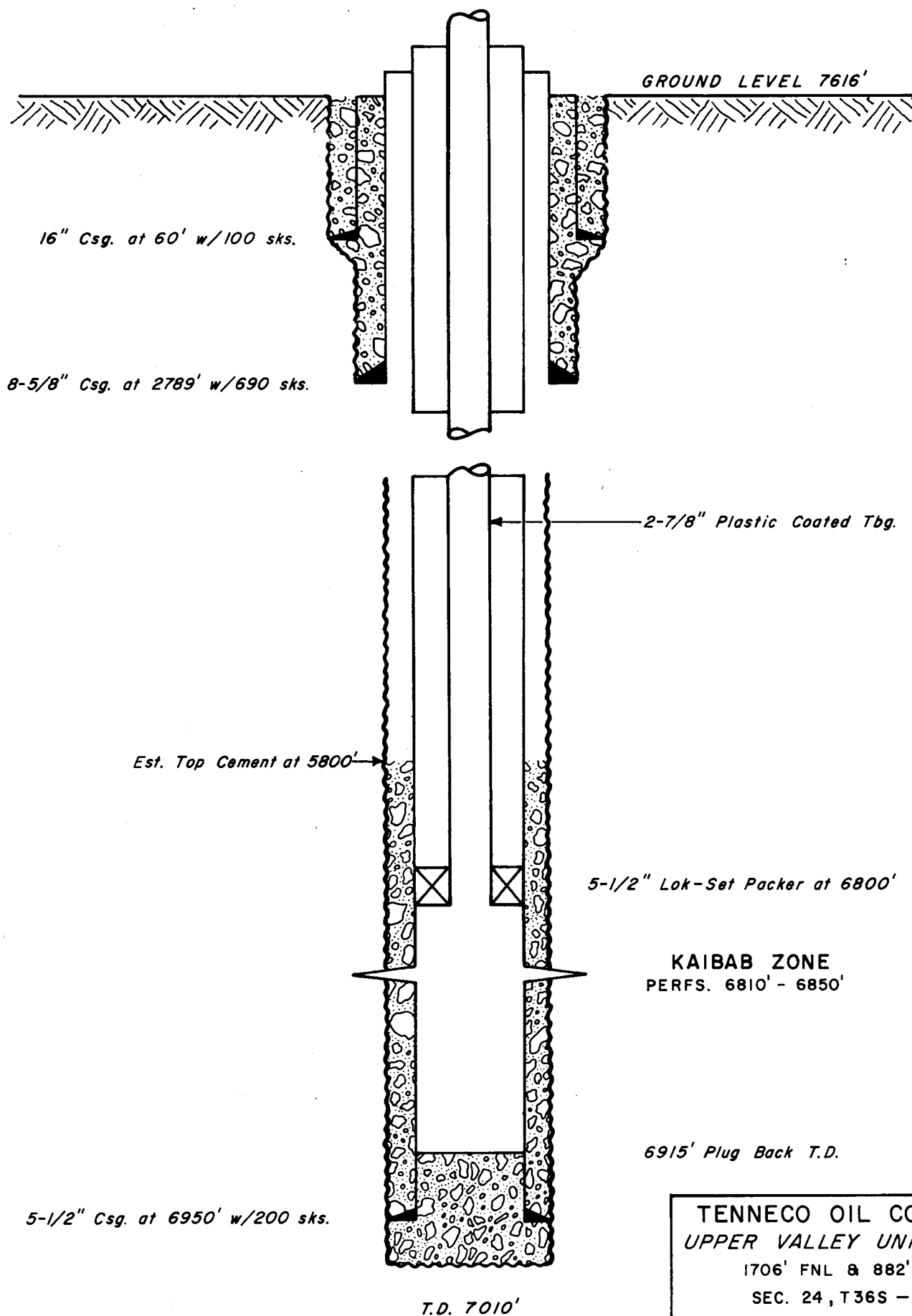
(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



TENNECO OIL COMPANY
UPPER VALLEY UNIT NO. 7
1706' FNL & 882' FEL
SEC. 24, T36S - R1E
GARFIELD COUNTY, UTAH
SCALE = NONE

August 1, 1969

Tenneco Oil Company
Suite 1200
Lincoln Tower Building
Denver, Colorado 80203

Re: Order issued in Cause No. 123-1
November 19, 1966

Gentlemen:

Received your letter of July 29, 1969, which indicated a proposed expansion of water disposal operations for the Upper Valley Unit, Garfield County, Utah.

Administrative approval is hereby granted to utilize the Upper Valley Unit #7 well as water disposal in the Kaibab Formation at the rates outlined in your correspondence.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey
Rod Smith

Simon

PLUGGING PROGRAM FOR:

TENNECO OIL COMPANY
WELL NO. UPPER VALLEY UNIT #7
Sec. 24, T. 36 S., R. 1 E.,
Garfield County, Utah
API 43-017-20258

150 sacks circulated across Kiabab from 6400-7010'

Shinarump - 35 sacks from 5700-5850'

Bottom of Chinle - 25 sacks from 5200-5300'

25 sacks 8 5/8" casing set at 2790' set plug from 2700'-2800'

10 sacks at surface with marker

Kiabab: 6651' to TOTAL DEPTH

Moenkopi: 5880'

Shinarump: 5740'

Chinle: 5260'

Navajo: 3252'

No Water Sands

RECEIVED FROM MR. ASHFORD 8-9-67

CLARELLA N. PECK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYForm approved.
Budget Bureau No. 42-R1424.
Form approved.
SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Re-enter well for salt water disposal	5. LEASE DESIGNATION AND SERIAL NO. U-019379
2. NAME OF OPERATOR Tenneco Oil Co.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg., Denver, Colo. 80203	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1706' F/NL, 882' F/EL	8. FARM OR LEASE NAME Upper Valley Unit
14. PERMIT NO.	9. WELL NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7575 GR	10. FIELD AND POOL, OR WILDCAT Upper Valley
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 24, T-36 S., R-1-E
	12. COUNTY OR PARISH Garfield
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

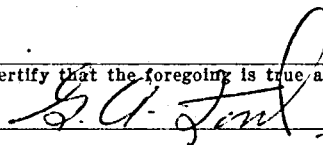
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in Rig 10/26/69, cleaned out to 2700', drilled out to 7011', ran 215 jts. of 5 1/2" 15.5# J-55' casing landed at 7011' cemented with 300 sacks. Rig released 11/19/69, moved in completion unit 11/24/69, perforated 6810'-6860' w/4 jet holes per ft., now preparing to perforate and acidize.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

Sr. Production Clerk

DATE

11/26/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE "CATE"
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Upper Valley Unit

9. WELL NO.

#7

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 24, T-36-S, R-1-E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☐ Re-enter well for salt water disposal.

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Bldg., Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1706' F/NL, 882' F/EL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7575 GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

T.D. 7011', packer set at 6775' acidized with 2000 gals 18% preceded w/2000 gals. water pad, and followed with 4000 gals water flush, ran 217 jts. of 2-7/8" EUE 6.50# internally coated tubing, landed at 6775'.

Well completed as a salt water disposal well.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE 12-8-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UPPER VALLEY # 7 WATER INJ N

COUNTY GARFIELD

OIL _____ GAS _____

FIELD UPPER VALLEYCOMPANY TENNECO OIL COMPANYLOCATION SEC. 13, T. 36 S., R. 1 E. 1/4 NW SWYEAR 1969

MONTH	OIL	GAS	WATER
JANUARY			
FEBRUARY			
MARCH			
APRIL			
MAY			
JUNE			
JULY			
AUGUST			
SEPTEMBER			
OCTOBER			
NOVEMBER			
DECEMBER			19,362
TOTAL FOR THE YEAR			

COUNTY GARFIELD

FIELD UPPER VALLEY

COMPANY TENNECO OIL CO.

LOCATION SECTION TOWNSHIP RANGE

4/4/4/

YEAR 1970

MONTH	DAYS	BOPD	OIL-BBLS.	GAS-MCF	GOR	WATER-BBLS.
JANUARY						128,030
FEBRUARY						95,583
MARCH						41,979
APRIL						0
MAY						23,040
JUNE						123,780
JULY						136,059
AUGUST						156,769
SEPTEMBER						128,694
OCTOBER						128,540
NOVEMBER						130,359
DECEMBER						
TOTAL						

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions
reverse side)Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

7

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 24, T-36-S, R-1-E

12. COUNTY OR PARISH 13. STATE

Garfield

Utah

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Reperforate and Acidize

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Bldg., -Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

1706' F/NL and 882' F/EL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7575 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETION ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒

(Other) Perforate

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

XX

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in service unit ~~5-9-72~~, pulled 2-7/8" tubing and packer. Perforated K-4 w/1 JSPF 6810' - 6860', acidized with 5000 gals. HCL 15%. Perforated K-3 w/1 JSPF 6766' - 68, and K-2 w/1 JSPF 6717, 6726 and 6747, acidized w/2000 gals. HCL 15% across perforations 6717' - 6768'. Ran 218 jts. of 3-1/2" fiberglass tubing landed into packer @ 6640'. Well returned to injection 5-15-72 at rate of 9800 Bbls water @ 175 psi.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE 5-16-72

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☒ Water Injection
well well

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1706' FNL, 882' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Convert well to polymer injection		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/5/81. Tenneco proposes to convert the above referenced well to a polymer injection well per the attached detailed procedure.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-22-81
BY: M. J. Menden

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Curley Stettin Asst. Div. Adm. Mgr. DATE 5/7/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE
U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Upper Valley Unit

9. WELL NO.
7

10. FIELD OR WILDCAT NAME
Upper Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 24, T36S, R1E

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7575' gr.

MAY 14 1981

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OIL, GAS & MINING



COMPANY _____ DEPT. _____
SUBJECT _____
LOCATION _____ BY _____ DATE _____

UPPER VALLEY UNIT
WIW #7
CONVERSION TO POLYMER INJECTION

WIW #7 IS PROPOSED TO BE CONVERTED TO POLYMER INJECTION AS PART OF THE INITIAL DEVELOPMENT OF A FIELD WIDE POLYMER AUGMENTED WATERFLOOD, ENHANCED OIL RECOVERY PROCESS. THE WELL WAS ORIGINALLY DRILLED AS A PRODUCTION WELL BUT WAS TAKEN ON 8/11/67. ON 10/26/67, THE WELL WAS REENTERED AND COMPLETED AS A SALT WATER DISPOSAL WELL. CURRENTLY THE WELL IS A PERIPHERAL WATER INJECTION WELL INJECTING INTO THE FOLLOWING PERFS (THROUGH TUBING AND PACKER SET ABOVE THE TOP PERFS):

- 6717', 6726', 6747'
- 6766-68'
- 6810-60'

IT IS PROPOSED TO CONVERT WIW #7 TO POLYMER INJECTION TO IMPROVE AREAL SWEEP EFFICIENCY AND INCREASE THE ULTIMATE RECOVERY OF OFFSETTING WELLS. THE CONVERSION WILL INCLUDE FIVE DIFFERENT TYPES OF WORK:

- 1) AREAL TRACER ANALYSIS
- 2) ZONAL ISOLATION
- 3) REPROFILE MAJOR PRODUCTIVE INTERVAL
- 4) PERFORM POLYMER INJECTIVITY TESTING
- 5) CONTINUOUS POLYMER INJECTION.

THE FOLLOWING IS A SUMMARY OF THE PROPOSED WORK IN MORE DETAIL:



COMPANY

DEPT.

SUBJECT

BY

DATE

LOCATION

AREAL TRACER ANALYSIS

- 1) INJECT DUAL TRACER WITH PRODUCED WATER AT APPROXIMATELY 3500 BWPD INTO PERFS 6717', 6726', 6747', 6766'-68', 6810'-60'. TRACER WILL CONSIST OF 1 CURRIE OF TRITIUM PLUS 800 POUNDS OF THIOCYANATE.
- 2) MONITOR OFFSETTING WELLS FOR BREAKTHROUGH OF TRACER MATERIAL.
- 3) EVALUATION PERIOD WILL BE 6 TO 8 WEEKS.

ZONAL ISOLATION (POLYMER SQUEEZE PERFS 6717', 6726', 6747', + 6766'-68')

- 1) RUN IN HOLE WITH LOGGING TOOL AND MEASURE INJECTION PROFILE (DUAL DETECTOR GAMMA-RAY TOOL)
- 2) PULL OUT OF HOLE WITH TOOL.
- 3) TEST CASING TO 1000 PSI.
- 4) PULL TUBING AND INJECTION PACKER OUT OF HOLE
- 5) RUN GAUGE RING AND TUNK BASKET IN AND OUT OF HOLE ON WIRELINE
- 6) RUN IN HOLE WITH TUBING, TRATING. PAKER, AND PRESSURE BOMB TO 6790'. ^{CONTINUAL SURFACE READING}
- 7) RUN IN HOLE WITH LOGGING TOOL (DUAL DETECTOR GAMMA-RAY TOOL) TO 6780'.
- 8) SIMULTANEOUSLY PUMP WATER DOWN TUBING AND ANNULUS. TRIA THE ANNULAR INJECTION AND MONITOR FLUID INTERFACE WITH LOGGING TOOL. HOLD INTERFACE AT 6780' BY VARYING EITHER OR BOTH OF THE INJECTION STREAMS (APPROXIMATELY 400 BWPD - ANNULUS AND 1600 BWPD - TUBING).
- 9) SQUEEZE PERFS 6717', 6726', 6747', + 6766'-68' BY INJECTING 1000 BBL OF 2.0 LB/BBL PROD POLYMER SOLUTION GELLED WITH 0.20 LB/BBL N-HANCE CR AND 0.80 LB/BBL OF N-HANCE RAD DOWN THE ANNULUS WHILE SIMULTANEOUSLY INJECTING UNGELLED 2.0 LB/BBL PROD POLYMER DOWN THE TUBING. INJECT AT RATES DETERMINED BY STEP #8 TO MAINTAIN FLUID INTERFACE AT 6780'.
- 10) FLUSH ANNULUS TO PERFS WITH UNGELLED PROD POLYMER.
- 11) PULL OUT OF HOLE WITH LOGGING TOOL
- 12) PULL UP HOLE WITH TUBING, PKR, AND BOMB TO 6600' AND SET PKR. SHUT WELL IN FOR 48 HRS.
- 13) RUN IN HOLE WITH LOGGING TOOL AND MEASURE INJECTION PROFILE
- 14) INJECT WATER AT 3500 BWPD UNTIL PRESSURE STABILIZES, THEN SHUT WELL IN AND RUN 48 HR PRESSURE FALL-OFF TEST

COMPANY

DEPT.

SUBJECT

LOCATION

BY

DATE

REPROFILE PERFS 6810'-60'

- 1) SHUT OFF HIGH FLUID LOSS PERFORATIONS BY SQUEEZING WITH 500 BBL OF 2.0 LB/BBL PROD POLYMER SOLUTION GELLED WITH 0.20 LB/BBL N-HANCE CR AND 0.80 LB/BBL N-HANCE RAD AT 1 BPM. FLUSH TO PERFORATIONS WITH UNGELLED PROD AND SHUT WELL IN FOR 48 HRS.
- 2) RUN IN HOLE WITH LOGGING TOOL AND MEASURE INJECTION PROFILE.
- 3) INJECT WATER AT 3500 BWPD UNTIL PRESSURE STABILIZES THEN SHUT WELL IN FOR 48 HR FALL-OFF TEST.

POLYMER INJECTIVITY TEST (PERFS 6810'-60')

- 1) PULL OUT OF HOLE WITH TBS, PKR, AND PRESSURE BOMB.
- 2) RUN IN HOLE WITH TBS, 'PERMANENT INJECTION PKR, AND CONTINUOUS SURFACE RECORDING PRESSURE BOMB', SET PKR AT 6600'.
- 3) INJECT APPROXIMATELY 2000 LBS OF A GIVEN MOLECULAR WEIGHT POLYMER AT OPTIMUM CONCENTRATION AND RATE UNTIL PRESSURE STABILIZES, THEN SHUT WELL IN FOR 48HR FALL-OFF TEST.
- 4) REPEAT STEP #3 SEVERAL TIMES WITH DIFFERENT MOLECULAR WEIGHT POLYMERS TO OPTIMIZE THE CHOICE OF THE POLYMER AND CONCENTRATION WHICH WILL GENERATE THE BEST INJECTIVITY, RESISTANCE FACTOR, AND MOBILITY CONTROL UNDER RESERVOIR CONDITIONS.
- 5) ESTIMATED TOTAL INJECTION DURING TEST, APPROXIMATELY 10,000 LBS OF POLYMER DURING A THREE WEEK PERIOD

CONTINUOUS POLYMER INJECTION

- 1) BEGIN CONTINUOUS POLYMER INJECTION AT A CONCENTRATION AND RATE DETERMINED BY INJECTIVITY TESTING.
- 2) INJECT A 20% OF A PORE VOLUME OR APPROXIMATELY 150,000 LBS OF POLYMER FOR MOBILITY CONTROL DURING A PERIOD OF 1 TO 1 1/2 YEARS. THE POLYMER SLUG WILL BE FOLLOWED BY WATER INJECTION.
- 3) APPROXIMATELY 20% OF THE POLYMER WILL REQUIRE CROSSLINKING WITH 120,000 LBS OF ALUMINUM CITRATE FOR IN-DEPTH PERMEABILITY UNIFICATION.
- 4) OFFSETTING WELLS WILL BE MONITORED FOR PRODUCTION RESPONSE AND BREAKTHROUGH OF INJECTED CHEMICALS.
- 5) THE PREVIOUSLY SQUEEZED PERFORATIONS MAY BE REOPENED AND POLYMER FLOODED AFTER EVALUATING THE MAJOR PRODUCTIVE INTERVAL (6810'-60').

VST

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF
TENNECO OIL EXPLORATION & PRODUCTION

ADDRESS P.O. Box 3249
Englewood, CO ZIP 80155
INDIVIDUAL PARTNERSHIP CORPORATION X
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Upper Valley WELL No. 7
SEC. 24 TWP. 365 RANGE 1E
Garfield COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name <u>Upper Valley</u>	Well No. <u>7</u>	Field <u>Upper Valley</u>	County <u>Garfield</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SE NE</u> Sec. <u>24</u> Twp. <u>365</u> Rge. <u>1E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Existing Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Injector	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>4500</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>oil</u>
Location of Injection Source(s) <u>Upper Valley Unit</u>		Geologic Name(s) <u>Kaibab</u> and Depth of Source(s) <u>6000-6900'</u>	
Geologic Name of Injection Zone <u>Kaibab</u>		Depth of Injection Interval <u>6810</u> to <u>6860</u>	
a. Top of the Perforated Interval: <u>6810</u>	b. Base of Fresh Water: <u>4500</u>	c. Intervening Thickness (a minus b) <u>2310</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO			
Lithology of Intervening Zones <u>limestone and shale</u>			
Injection Rates and Pressures Maximum <u>2000</u> B/D <u>150</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent 			

State of COLORADO)

County of Arapahoe)

Before me, the undersigned authority, on this day personally appeared Harry Hufft, Production Manager
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly
authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 13th day of October, 19 83

SEAL

My commission expires _____

My Commission Expires Sept. 7, 1987

Notary Public in and for the State of Colorado

Linda Hancock

(OVER)

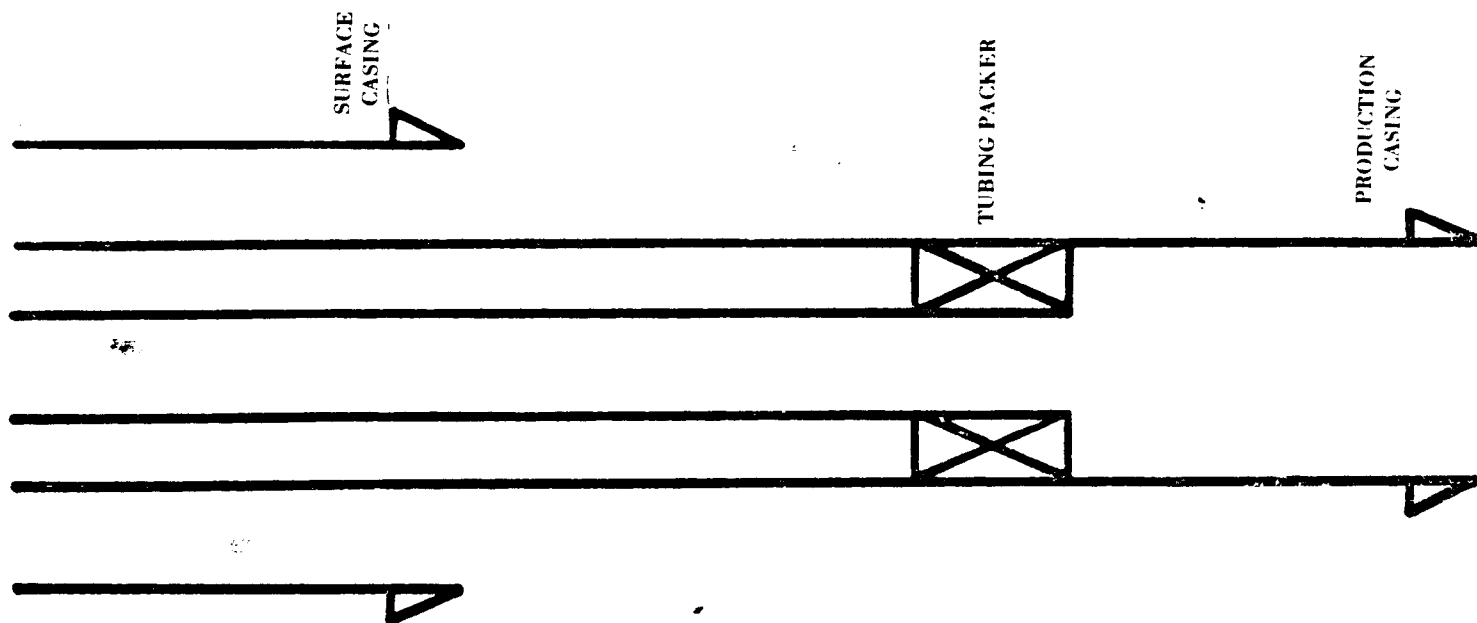
6884 S. Prescott St.
Littleton, CO 80120

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	8 5/8	2789	700	surface	returns
Intermediate Production	5 1/2	7011	300	6000'	calculated
Production					
Tubing	2 7/8"	6646	Name - Type - Depth of Tubing Packer BAKER LOK-SET @ 6646'		
Total Depth 7011	Geologic Name - Inj. Zone Kaibab	Depth - Top of Inj. Interval 6810		Depth - Base of Inj. Interval 6860	

SKETCH - SUB-SURFACE FACILITY



(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

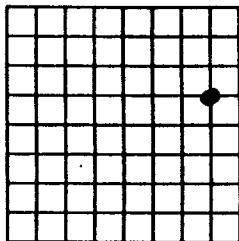
COUNTY
LEASE NO.

DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

API NO

640 Acres
MLocate Well Correctly
and Outline LeaseCOUNTY Garfield SEC. 24 TWP. 36S RGE. 1ECOMPANY OPERATING TENNECOOFFICE ADDRESS P.O. Box 3249TOWN Englewood STATE CO ZIP 80155LEASE Upper Valley WELL NO. 7DRILLING STARTED 7/16 1967 DRILLING FINISHED 8/4 1967

DATE OF FIRST PRODUCTION _____ COMPLETED _____

WELL LOCATED SE $\frac{1}{4}$ NE $\frac{1}{4}$ __________ FT. FROM SL OF $\frac{1}{4}$ SEC. & _____ FT. FROM WL OF $\frac{1}{4}$ SEC.ELEVATION DERRICK FLOOR 7627 GROUND 7616

TYPE COMPLETION

Single Zone single

Multiple Zone _____ Order No. _____

Comingled _____ Order No. _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Kaibab	6717	6860			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt	Grade	Feet	Psi	Sax	Fillup	Top
8 5/8	24	J-55	2789		700		
5 1/2	15.5	K-55	7011		300		

TOTAL DEPTH 7011PACKERS SET
DEPTH _____

FORMATION

Kaibab

SPACING & SPACING
ORDER NO.CLASSIFICATION
(Oil; Gas; Dry; Inj. Well)

inj. well

PERFORATED

{ 6717-6726

{ 6747-6766

INTERVALS

{ 6767-6768

{ 6810-6860

ACIDIZED?

yes

FRACTURE TREATED?

no

INITIAL TEST DATA

Date

Oil. bbl./day

Oil Gravity

Gas. Cu. Ft./day

CF

CF

CF

Gas-Oil Ratio Cu. Ft./Bbl.

Water-Bbl./day

Pumping or Flowing

CHOKE SIZE

FLOW TUBING PRESSURE

A record of the formations drilled through, and pertinent remarks are presented on the reverse.

(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone (303) 740-4800

Harry Hufft, Production Manager

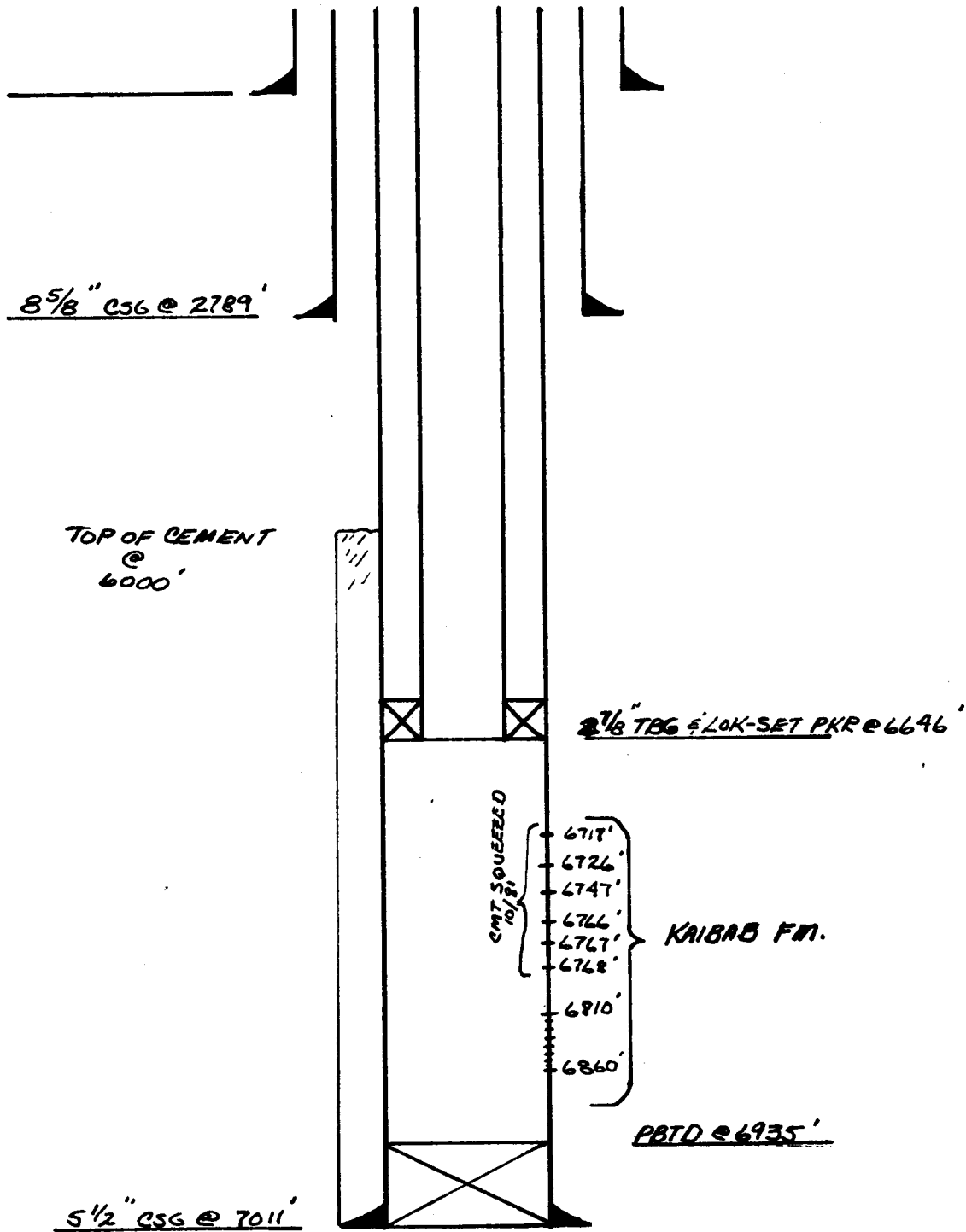
Name and title of representative of company

Subscribed and sworn before me this 13th day of October, 1983

My Commission Expires Sept. 7, 1987

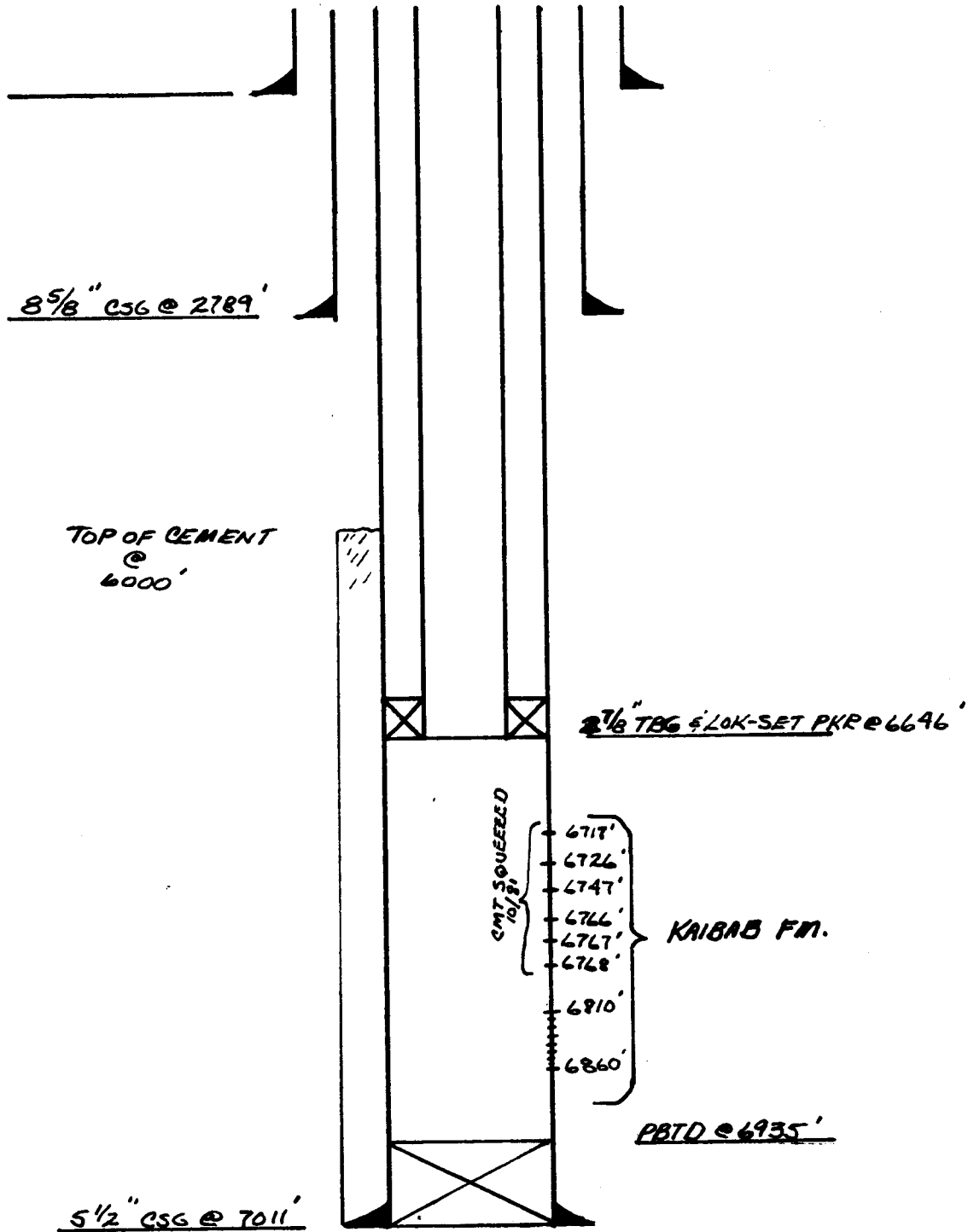
Linda Hancock
6884 S. Prescott St.
Littleton CO 80120

TENNECO OIL COMPANY
UPPER VALLEY UNIT WELL NO. 1
WELLBORE SCHEMATIC
GARFIELD, CO. UTAH



NOTE: NOT TO SCALE

TENNECO OIL COMPANY
UPPER VALLEY UNIT WELL NO. 1
WELLBORE SCHEMATIC
GARFIELD, CO. UTAH



NOTE: NOT TO SCALE

A

UIC RULE 1-5b
UPPER VALLEY UNIT

ITEM NO.

- 5 Design injection rates and surface pressures for Upper Valley injection wells are, as previously mentioned, maintained below 6,000 BPD and 300 psi surface pressures. These parameters are maintained by use of throttling valves or choke valves on each well. Pneumatic control valves are also used to automatically by-pass water if injection pressures exceed the specified 300 psi.

- 6 The Upper Valley system has no means for treating or storage of produced water. All produced water is reinjected as previously stated. Where an injection well shut-in or failure occurs, producing wells are shut-in to prevent over injection.

B

UIC RULE 1-5b
UPPER VALLEY UNIT

ITEM NO.

4

The Kaibab formation at the Upper Valley Unit has an average fracture gradient of .348 psi/ft. Past radioactive injection profile surveys run on selected injection wells in the field indicate that at injection rates as high as 6400 BPD, hydraulic fracturing upward above the Kaibab does not take place, but rather remains in zone. Injection in all cases is below 6,000 BPD. Surface injection pressures corresponding to this rate generally do not exceed 300 psi. Attached are copies of injection surveys for three wells (nos. 5, 16 and 26) which were tested at rates above 6,000 BPD. These surveys illustrate that above-fracturing pressures, no upward migration exists.

UPPER VALLEY UNIT
FIELD DESCRIPTION

The Upper Valley Unit is a peripheral drive waterflood utilizing 11 water injection wells to re-inject the total field water production of 38,000 BWPD into the Kaibab formation. Currently, one injection well is shut-in due to adverse effects to offset oil production.

Geologically, the Upper Valley Kaibab formation ranges from a dolomitic limestone, which is naturally fractured, to a very porous dolomitic sandstone.

Currently, there are 24 producing wells in the Upper Valley Unit, all of which are completed in the Kaibab. Production is collected and separated at two points in the field, the main tank battery and the satellite tank battery. Oil is separated at each battery and pumped via pipeline 20 miles to the Upper Valley sales terminal where the oil is sold. The water production at each battery is pumped to the water injectors nearest to the respective tank battery.

In addition to the above mentioned wells, there is one Navajo fresh water source well which was originally completed for additional water injection for the waterflood; but it is now used for makeup water for the newly started polymer-augmented waterflood in the field. The Navajo sand is the deepest known fresh water source in the area. No other fresh water source wells are known to exist at any depth within one mile of the unit boundaries. The bottom of the Navajo sand is an average depth of 4500 feet in the field and is on the average 2000 feet above the Kaibab formation.



CORE LABORATORIES, INC.

Petroleum Reserve Engineering

DALLAS, TEXAS

WATER ANALYSIS

Page 5 of 8

File IWTL-71107

Company Tenneco Oil Company Well Name _____ Sample No. 5

Second F.W.K.O.

Formation Kaibab Depth _____ Sampled From Main Battery

Location _____ Field Upper Valley County Garfield State Utah

Date Sampled _____ Date Analyzed 11-3 to 11-4, 1971 Analyst RLC

Total Dissolved Solids 10,283 mg/L calculated

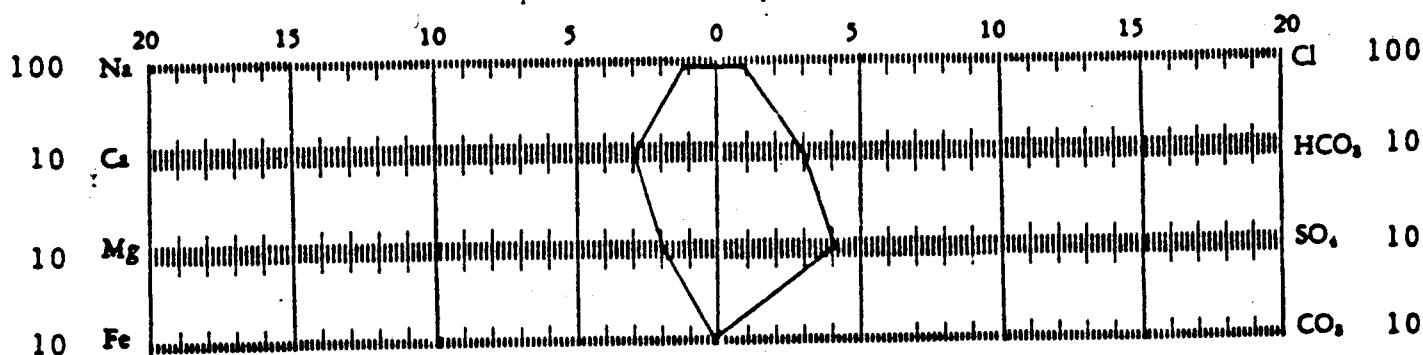
Specific Gravity 1.0096 @ 60° F.
1.0068 @ 74 °F.

Resistivity .730 ohm-meters @ 74 °F. measured
pH 6.9 @ 74 °F.

Hydrogen Sulfide present - 4.0 ppm

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	110.14	2532	Chloride	87.42	3099
Calcium	29.99	601	Bicarbonate	29.60	1806
Magnesium	19.00	231	Sulfate	42.12	2023 (Grav.)
Iron	.007	0.2	Carbonate	-0-	-0-
Barium	-0-	-0- (Grav.)	Hydroxide	-0-	-0-

* All analyses except iron determination performed on a filtered sample.



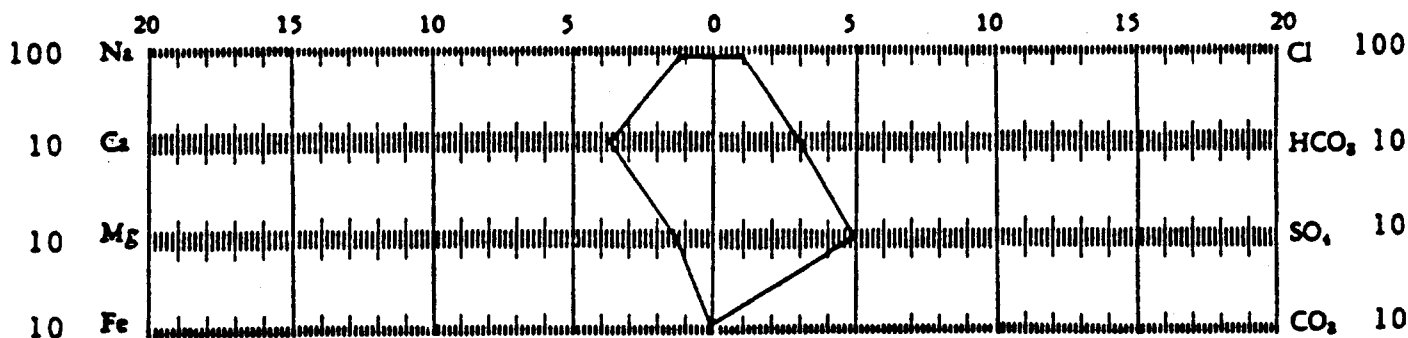
Scale: meq/L

	<u>Actual Plugging Solids</u>	<u>Mg/L</u>
Total Solids		1.13
Organic		1.12
Iron Sulfides		.00
Calcium as CaCO ₃		.00
Magnesium as MgCO ₃		.00
Sulfate as SO ₄		.00
Insoluble Siliceous Residue		.01

**CORE LABORATORIES, INC.***Petroleum Reserve Engineering***DALLAS, TEXAS****WATER ANALYSIS**Page 2 of 8File IWTL-71107Company Tenneco Oil Company Well Name _____ Sample No. 2Formation Kaibab Depth _____ Sampled From Satellite F. W. K. O.Location _____ Field Upper Valley County Garfield State UtahDate Sampled _____ Date Analyzed 11-3 to 11-4, 1971 Analyst RLCTotal Dissolved Solids 11,604 mg/L calculatedSpecific Gravity 1.0102 @ 60° F.
1.0074 @ 74° F.Resistivity .750 ohm-meters @ 74° F. measured
pH 6.7 @ 74° F.Hydrogen Sulfide present - 3.5 ppm

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	128.14	2946	Chloride	96.42	3418
Calcium	37.03	742	Bicarbonate	31.40	1916
Magnesium	13.00	158	Sulfate	50.42	2421 (Grav.)
Iron	.07	2	Carbonate	-0-	-0-
Barium	-0-	-0- (Grav.)	Hydroxide	-0-	-0-

* All analyses except iron determination performed on a filtered sample.



Scale: meq/L

Actual Plugging Solids

Total Solids	2.61
Organic	2.32
Iron Sulfides	.21
Calcium as CaCO ₃	.00
Magnesium as MgCO ₃	.00
Sulfate as SO ₄	.00
Insoluble Siliceous Residue	.04

Mg/L
2.61
2.32
.21
.00
.00
.00
.04



CORE LABORATORIES, INC.
Petroleum Reserve Engineering
DALLAS, TEXAS
WATER ANALYSIS

Page 1 of 13
File IWTL-71101

Company Tenneco Oil Company Well Name _____ Sample No. _____
Formation Kaibab Depth _____ Sampled From W.S.W. No. 1
Location _____ Field Upper Valley County Garfield State Utah
Date Sampled 9-9-71 Date Analyzed _____ Analyst RLC

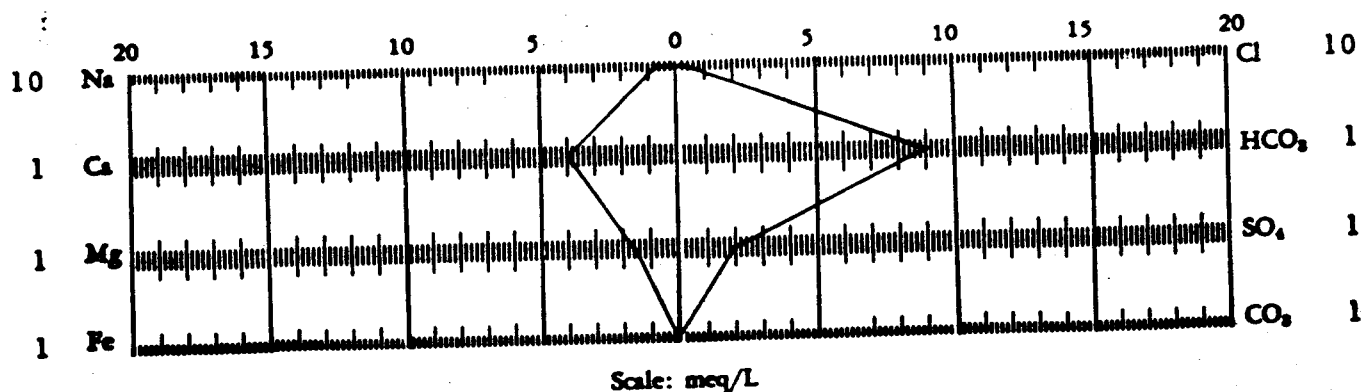
Total Dissolved Solids 995 mg/L calculated

Specific Gravity 1.0027 @ 60 °F.

Resistivity 8.43 ohm-meters @ 74 °F. measured
pH 8.1 @ 74 °F.

Hydrogen Sulfide absent

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	6.4	147	Chloride	2.0	64
Calcium	4.0	80	Bicarbonate	9.0	576
Magnesium	2.6	32	Sulfate	2.0	95 (Grav.)
Iron	0.02	0.56	Carbonate	0.0	0.0
Barium	0.0	0.0 (Grav.)	Hydroxide	0.0	0.0



* All analyses except iron determination performed on a filtered sample.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Jenneco Well No. Upper Valley Unit #7
 County: Garfield T 36 R 1E Sec. 24 API# 43-017-20238
 New Well ☐ Conversion ☐ Disposal Well ☐ Enhanced Recovery Well ☒

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<u>✓</u>	
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	
Schematic Diagram	<u>✓</u>	
Fracture Information	<u>✓</u>	
Pressure and Rate Control	<u>✓</u>	
Adequate Geologic Information	<u>✓</u>	
Fluid Source	<u>Kaibab</u>	

Analysis of Injection Fluid	Yes <u>✓</u>	No <u> </u>	TDS <u>11,604</u>
Analysis of Water in Formation to be injected into	Yes <u>✓</u>	No <u> </u>	TDS <u>11,604</u>


Known USDW in area	<u>Marajo</u>	Depth <u>4500</u>
Number of wells in area of review	<u>3</u>	Prod. <u>3</u> P&A <u>0</u>
	Water <u>0</u>	Inj. <u>0</u>

Aquifer Exemption	Yes <u> </u> NA <u>✓</u>
-------------------	-----------------------------

Mechanical Integrity Test	Yes <u> </u> No <u> </u>
---------------------------	--------------------------------

Date 3-21-84 Type Bradenburg

Comments: 70c 6000'

Reviewed by: 

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

OPERATOR: Tenneco Oil Exploration & Production Co.
FIELD: Upper Valley COUNTY Garfield
WELL # 7 SE/NE SEC. 24 TOWNSHIP 36S RANGE 1E
STATE FED. FEE 7011 TYPE WELL INDW MAX. INJ. PRESS. 3000

TEST DATE 3/21/84

CASING STRING	SIZE	SET AT	CMT SACKS	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>8 5/8"</u>	<u>2789'</u>	<u>700</u>	<u>0</u>	<u>NO VACUUM</u>	
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>	<u>5 1/2"</u>	<u>7011"</u>	<u>300</u>			
<u>TUBING</u>	<u>2 7/8"</u>	<u>6644</u>	<u>Packer</u>	<u>0</u>	<u>Well on VACUUM</u>	

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

Utah
Natural Resources
Oil, Gas and Mining

3 Triad Center, Suite 350,
Salt Lake City, Utah 84180
Phone (801)538-5340

INJECTION WELL
PRESSURE TEST

COMPANY/OPERATOR Tenneco Oil Company DATE 9/24/86

WELL TYPE: DISPOSAL _____ ENHANCED RECOVERY ☒ OTHER _____

WELL NAME: #7 API NO. 43-017-20238 LEASE NO. _____

SECTION 24 TOWNSHIP 36S RANGE 1E COUNTY Garfield

SURFACE CASING 8 5/8" @ 2789' WITH 700 sks CEMENT

INTERMEDIATE CASING _____ @ _____ WITH _____ CEMENT

PRODUCTION CASING 5 1/2" @ 7011' WITH 300 sks CEMENT

TUBING 2 7/8" @ 6646

PACKER SET _____ @ 6646 TYPE Baker MODEL LOK-SFT

CONDITIONS DURING TEST:

TUBING PRESSURE: vacuum psig.

CASING/TUBING ANNULUS PRESSURE _____ psig. for _____ minutes

CHANGE DURING TEST vacuum on tubing and slight press. on annulus
indicates probably no leak.

CONDITIONS AFTER TEST:

TUBING PRESSURE: _____ psig.

CASING/TUBING ANNULUS PRESSURE: _____ psig.

COMMENTS: 200 BPD } approved.
150 psi }

- hole in flange had been drilled for REDA
pump; when water was pumped into
annulus, fluid exited through this
hole.

- Slight blow on hole of annulus

- Must be tested after workover

Douglas Swindell
WITNESS

[Signature]
WITNESS

Operator Check

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT TRIPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to change the character of a well. Use "APPLICATION FOR PERMIT—" for that purpose.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Tenneco Oil Company No 950</p> <p>3. ADDRESS OF OPERATOR P.O. Box 3249 Englewood, CO 80155</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. varies</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME 020910</p> <p>7. UNIT AGREEMENT NAME Upper Valley Unit</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO.</p> <p>10. FIELD AND POOL, OR WILDCAT Upper Valley - Kaibab</p> <p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Townships 36S, 37S; Range 1E</p> <p>12. COUNTY OR PARISH Garfield</p> <p>13. STATE Utah</p>	
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16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Sale of Unit</u>	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Tenneco Oil Company has sold its interest to the Upper Valley Unit located in various sections of Township 36S, 37S and Range 1E, 2E. The sale was to Citation Oil and Gas Corp. (16800 Greenspoint Park Drive, Suite 300, Houston, Texas 77060) effective 9/1/87. Attached is a list of unit wells which were sold.

N0265

18. I hereby certify that the foregoing is true and correct

SIGNED Steve Foster TITLE Sr. Administrative Analyst DATE 1/27/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

N0950 to N0265

EFF 9-1-87

RECEIVED
FEB 01 1988

UPPER VALLEY UNIT

DIVISION OF
OIL, GAS & MINING

Upper Valley #1	SE/4NE/4	Sec. 11, T-36-S, R-1-E	43-017-11021 ✓
	Water Injection		
Upper Valley #2	NW/4NW/4	Sec. 13, T-36-S, R-1-E	43-017-16025 ✓
POW/KBAB			
Upper Valley #3	SE/SW	Sec. 13, T-36-S, R-1-E	43-017-16026 ✓
POW/KBAB			
Upper Valley #4	SE/SE	Sec. 24, T-36-S, R-1-E	43-017-16027 ✓
W1W Upper Valley #5	SE/SW	Sec. 12, T-36-S, R-1-E	43-017-16028 ✓
POW/KBAB			
Upper Valley #6	SE/NW	Sec. 13, T-36-S, R-1-E	43-017-20233 ✓
W1W Upper Valley #7	SE/NE	Sec. 24, T-36-S, R-1-E	43-017-20258 ✓
POW/KBAB			
Upper Valley #8	NW/SW	Sec. 13, T-36-S, R-1-E	43-017-20275 ✓
POW/KBAB			
Upper Valley #9	NW/SE	Sec. 24, T-36-S, R-1-E	43-017-20324 ✓
POW/KBAB			
Upper Valley #10	SE/NE	Sec. 25, T-36-S, R-1-E	43-017-30001 ✓
POW/KBAB			
Upper Valley #11	SE/SE	Sec. 25, T-36-S, R-1-E	43-017-30002 ✓
POW/KBAB			
Upper Valley #12	NW/SW	Sec. 6, T-37-S, R-2-E	43-017-30015 ✓
POW/KBAB			
Upper Valley #13	NE/NW	Sec. 24, T-36-S, R-1-E	43-017-30003 ✓
POW/KBAB			
Upper Valley #14	SE/SE	Sec. 11, T-36-S, R-1-E	43-017-30004 ✓
POW/KBAB			
Upper Valley #15	SE/SW	Sec. 24, T-36-S, R-1-E	43-017-30005 ✓
W1W Upper Valley #16	SW/NE	Sec. 11, T-36-S, R-1-E	43-017-30007 ✓
PPA			
Upper Valley #17	SE/NE	Sec. 36, T-36-S, R-1-E	43-017-30011 ✓
POW/KBAB			
Upper Valley #17X	SE/NE	Sec. 36, T-36-S, R-1-E	43-017-30071 ✓
POW/KBAB			
Upper Valley #18	NW/SW	Sec. 31, T-36-S, R-2-E	43-017-30012 ✓
W1W / KBAB			
Upper Valley #19	NW/NW	Sec. 6, T-37-S, R-2-E	43-017-30013 ✓
POW/KBAB			
Upper Valley #20	NW/NE	Sec. 25, T-36-S, R-1-E	43-017-30014 ✓
POW/KBAB			
Upper Valley #21	NW/NW	Sec. 7, T-37-S, R-2-E	43-017-30021 ✓
PPA			
Upper Valley #22	SE/NW	Sec. 14, T-36-S, R-1-E	43-017-30025 ✓
W1W Upper Valley #23	SE/NW	Sec. 30, T-36-S, R-2-E	43-017-30030 ✓
W1W Upper Valley #24	NE/NE	Sec. 23, T-36-S, R-1-E	43-017-30041 ✓
W1W Upper Valley #25	SW/SE	Sec. 36, T-36-S, R-1-E	43-017-30033 ✓

RECEIVED
FEB 01 1988

UPPER VALLEY UNIT (Continued)

DIVISION OF
OIL, GAS & MINING

W1W Upper Valley #26 Pow/KBAB	SW/SW	Sec. 24, T-36-S, R-1-E	<u>43-017-30036</u> ✓
Upper Valley #27 Pow/KBAB	NW/SE	Sec. 7, T-37-S, R-2-E	<u>43-017-30039</u> ✓
Upper Valley #28 Pow/KBAB	NW/NE	Sec. 24, T-36-S, R-1-E	<u>43-017-30032</u> ✓
Upper Valley #29 Pow/KBAB	SW/SW	Sec. 13, T-36-S, R-1-E	<u>43-017-30034</u> ✓
Upper Valley #30 Pow/KBAB	SE/NW	Sec. 24, T-36-S, R-1-E	<u>43-017-30037</u> ✓
Upper Valley #31 Pow/KBAB	SE/NE	Sec. 14, T-36-S, R-1-E	<u>43-017-30042</u> ✓
Upper Valley #32	NW/SE	Sec. 25, T-36-S, R-1-E	<u>43-017-30043</u> ✓
W1W Upper Valley #33	NW/NE	Sec. 36, T-36-S, R-1-E	<u>43-017-30047</u> ✓
W1W Upper Valley #34	SW/NE	Sec. 13, T-36-S, R-1-E	<u>43-017-30065</u> ✓
W1W Upper Valley #36	NW/NE	Sec. 14, T-36-S, R-1-E	<u>43-017-30048</u> ✓



RECEIVED
JAN 08 1990

January 2, 1990

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

ATTN: Don Staley

RE: Temporarily-abandoned Wells
1989 Annual Report

Dear Mr. Staley:

Enclosed please find for your records Form 9, Sundry Notices and Reports on Wells, for Citation's 1989 Annual report on temporarily-abandoned wells.

There are four wells on this report. These wells were purchased from Tenneco Oil Co. on 11-1-87, at which time they were shut-in.

If you have any questions, please contact me at 713-469-9664. Thank you.

Respectfully submitted,

Sharon E. Ward
Sharon E. Ward
Prod. Records Supervisor

SEW/ms
attachment

STATE OF UTAH
DIVISION OF OIL, GAS AND MINES**RECEIVED**
JAN 08 1990

LEASE DESIGNATION & SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> TA'd		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		7. UNIT AGREEMENT NAME Upper Valley Unit	
3. ADDRESS OF OPERATOR 8223 Willow Place South Suite 250, Houston, Texas 77070		9. WELL NO. #6, #7, #26, #36	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface #6(2065' FNL, 1417' FWL Sec. 13) #7(1706' FNL, 882' FEL Sec. 24) At proposed prod. zone #26(213' FWL, 540' FSL Sec. 24) #36(NW, NE Sec 14)		10. FIELD AND POOL OR WILDCAT Upper Valley	
14. API NO. 43-017-20258		15. ELEVATIONS (Show whether DF, RT, GR, etc.)	
12. COUNTY Garfield		13. STATE Utah	

18. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐PULL OR ALTER CASING ☐FRACTURE TREAT ☐MULTIPLE COMPLETE ☐SHOOT OR ACIDIZE ☐ABANDON ☐REPAIR WELL ☐CHANGE PLANS ☐

(Other)

APPROX. DATE WORK WILL START

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐REPAIRING WELL ☐FRACTURE TREATMENT ☐ALTERING CASING ☐SHOOTING OR ACIDIZING ☐ABANDONMENT* ☒

(Other) 1989 Annual Report of TA wells

(Note: Report results of multiple completion on well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Per letter from Don Staley, dated 12-1-89, Citation* Must be accompanied by a cement verification report.
hereby submits the following wells for the 1989 Annual Report of Temporarily abandoned well
These wells were purchased from Tenneco on 11-1-87, at which time they were shut-in.

- 1) Upper Valley Unit #6 2065' FNL, 1417' FWL, sec. 13 TA'd
- 2) Upper Valley Unit #7 1706' FNL, 802' FEL, sec. 24 TA'd
- 3) Upper Valley Unit #26 312' FWL, 540' FSL, sec. 24 TA'd
- 4) Upper Valley Unit #36 NW NE sec. 14 TA'd

Citation requests permission to leave these wells in this status pending future oil price increases.

18. I hereby certify that the foregoing is true and correct

SIGNED

Sharon Evans Ward

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

UIC	
GLH	<input checked="" type="checkbox"/>
DJS	<input checked="" type="checkbox"/>
BGH	<input type="checkbox"/>
COMPUTER	<input checked="" type="checkbox"/>
MICROFILM	<input checked="" type="checkbox"/>
FILE	<input checked="" type="checkbox"/>

Prod. Records Supv.

OIL AND GAS	
DDN	REF
JRB	1- GLH
DTS	SLS
2- IAS	
DATE 12-28-89	
MICROFILM	
3- UIC	
FILE	

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS OF WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back into a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION & SERIAL NO. <div style="text-align: center;">N/A</div>	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <div style="text-align: center;">N/A</div>	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		7. UNIT AGREEMENT NAME <div style="text-align: center;">N/A</div>	
3. ADDRESS OF OPERATOR 8223 Willow Place South, Houston, TX 77070		8. FARM OR LEASE NAME <div style="text-align: center;">N/A</div>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 25 miles NE of Escalante, Utah At proposed prod. zone <div style="text-align: center;">Upper Valley Unit</div>		9. WELL NO. <div style="text-align: center;">N/A</div>	
10. FIELD AND POOL, OR WILDCAT <div style="text-align: center;">Upper Valley</div>		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA <div style="text-align: center;">Sec 24, T36S, R1E</div>	
14. API NO. <div style="text-align: center;">N/A 4301720258</div>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">N/A</div>	12. COUNTY <div style="text-align: center;">Garfield</div>	13. STATE <div style="text-align: center;">Utah</div>

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Oil/Saltwater Spill</u> <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On December 10, 1990, at 8:30 A.M. an oil/saltwater spill was discovered at the Satellite Battery for the Upper Valley Field. Cause of the incident was due to exterior corrosion on the 3" production line. Approximately 10 bbls of crude oil and 100 bbls of saltwater were spilled, however, all was contained on location. The spill was caught in the overflow tanks and has been pumped back into the system. No fresh water sources or areas were treated. Approximately 8 bbls of the crude oil and 90 bbls of the saltwater were recovered.

18. I hereby certify that the foregoing is true and correct.

SIGNED <u>Pat Johnson</u>	TITLE <u>Administrative Asst.</u>	DATE <u>12/12/90</u>
<small>(This space for Federal or State office use)</small>		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side



RECEIVED

JAN 24 1992

DIVISION OF
OIL GAS & MINING

January 20, 1992

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: Don Staley

Re: Temporarily-abandoned wells
1991 Annual Report

Dear Mr. Staley:

Enclosed please find for your records Form 9, Sundry Notices and Reports on Wells, for Citation's 1991 Annual Report on Temporarily-Abandoned wells.

There are four wells on this report. These wells were purchased from Tenneco Oil Co. in November of 1987, at which time they were shut-in. Citation requests permission to leave these four wells temporarily abandoned pending future oil price increases.

If you have any questions, please contact me at 713-469-9664. Thank you.

Sincerely,

Sharon E. Ward
Production Regulatory Supv

attachment

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Upper Valley Unit 9. WELL NO. #6, #7, #26, #36 10. FIELD AND POOL, OR WILDCAT Upper Valley 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T36S-R1E Sec. 24
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER TA'd <u>W/W</u> 2. NAME OF OPERATOR Citation Oil & Gas Corp. 3. ADDRESS OF OPERATOR 8223 Willow Place South Suite 250, Houston, Texas 77070 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface #6(2065' FNL, 1417' FWL Sec. 13) #7(1706' FNL, 882' FEL Sec. 24) At proposed prod. zone #26(213' FWL, 540' FSL Sec. 24) #36(NW, NE Sec 14)	12. COUNTY Garfield 13. STATE Utah	
14. API NO. <u>B-017-20258</u>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>1991 Annual Report of TA wells</u> <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Per letter from Don Staley, dated 12-6-91, Citation* must be accompanied by a cement verification report. hereby submits the following wells for the 1989 Annual Report of Temporarily abandoned wells. These wells were purchased from Tenneco on 11-1-87, at which time they were shut-in.

- | | | | |
|----|-----------------------|-------------------------------|------|
| 1) | Upper Valley Unit #6 | 2065' FNL, 1417' FWL, sec. 13 | TA'd |
| 2) | Upper Valley Unit #7 | 1706' FNL, 802' FEL, sec. 24 | TA'd |
| 3) | Upper Valley Unit #26 | 312' FWL, 540' FSL, sec. 24 | TA'd |
| 4) | Upper Valley Unit #36 | NW NE sec. 14 | TA'd |

Citation requests permission to leave these wells in this status pending future oil price increases.

RECEIVED

JAN 24 1992

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct.

SIGNED Sharon Evans Ward TITLE Production Regulatory Supv DATE 1-20-92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____



December 9, 1992

RECEIVED

DEC 14 1992

DIVISION OF
OIL GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center Ste 350
Salt Lake City, UT 84180-1203

Re: Form 9
Upper Valley Unit #2, 6, 7,
26 & 36
Upper Valley Field
Garfield Co., Utah

Dear Sir:

Enclosed please find in duplicate Form 9 on each well mentioned above.

If you have any questions, please contact Sharon Ward at 713-469-9664.
Thank you.

Respectfully submitted,

Tara Jordan

Tara Jordan
Prod. Records Asst.

TDJ/ms

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: TA'd

2. Name of Operator: Citation Oil & Gas Corp.

3. Address and Telephone Number:

8223 Willow Place South Ste 250, Houston, Texas 77070 (713)469-9664

4. Location of Well

Footages: 1706' FNL & 882' FEL

OQ, Sec., T., R., M.: SE NW SW Sec. 24, T36S, R1E

5. Lease Designation and Serial Number:

6. If Indian, Allossee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Upper Valley Unit #7

9. API Well Number:

43-017-20258

10. Field and Pool, or Wildcat:

Upper Valley

County: Garfield

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>1992 Annual Report of TA'd wells</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Per letter dated December 4, 1992 from Don Staley, Citation Oil & Gas Corp. hereby submits the following well for the 1992 Annual Report of Temporarily Abandoned wells. This well was purchased from Tenneco on 11-1-87. Citation requests permission to leave this well in the TA'd status pending future oil price increases.

RECEIVED

DEC 14 1992

DIVISION OF
OIL, GAS & MINING

13.

Name & Signature: Sharon Ward Sharon Ward Title: Prod. Regulatory Supv Date: 12-9-92

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

JAN - 9 1995

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

U-019379

6. If Indian, Allottee or Tribe Name:

Unit Agreement Name:

Upper Valley

8. Well Name and Number:

Upper Valley Unit # 7

9. API Well Number:

43-017-20258

10. Field and Pool, or Wildcat:

Upper Valley

1. Type of Well: OIL ☐ GAS ☐ OTHER: P&A Intent

2. Name of Operator:

Citation Oil & Gas Corp.

3. Address and Telephone Number:

8223 Willow Place South Ste 250 Houston, Texas 77070 713-469-9664

4. Location of Well

Footages: 1706' FNL & 882' FEL

QQ, Sec., T., R., M.: Sec. 24, T36S, R1E

County: Garfield

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Approximate date work will start Upon approval 1995

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other | |

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Upon approval Citation intends to plug and abandon the above well per the following procedure:

1. Fish tbg and pkr. TIH with bit and scraper to 6700 ft. TOH.
2. TIH with CICR and tbg to 6670 ft. Pump 30 sx Class C with 2% CaCl₂ below CICR. Sting out, dump 10 sx cmt (100 ft) on top of CICR. Pull up 100 ft, reverse circulate any cmt from tbg. (Note: if unable to fish all tbg and pkr, this step will be altered.)
3. Spot 30 bbls 8.6 ppg mud (Note: 8.6 ppg mud is adequate to contain static reservoir pressure of approximately 1225 psi.) from 6570 ft to 5315 ft. TOH.
4. Perf sqz holes at 5315 ft. Set CICR at 5265 ft. Pump 31 sx Class C with 2% CaCl₂ below CICR. Sting out, dump 5 sx cmt (50 ft) on top of CICR. Pull up 50 ft, reverse circulate any cmt from tbg.
5. Spot 47 bbls 8.6 ppg mud from 5215 ft to 3260 ft. TOH.
6. Perf sqz holes at 3260 ft. Set CICR at 3210 ft. Pump 31 sx Class C with 2% CaCl₂ below CICR. Sting out, dump 5 sx on top of CICR. Pull up 50 ft, reverse circulate any cmt from tbg.

(over)

13.

Name & Signature: Sharon Ward *Sharon Ward* Title: Prod. Reg. Supv. Date: 1-4-95

(This space for State use only)
**Accepted by the State
of Utah Division of
Oil, Gas and Mining**

Date: 1-10-95

By: *[Signature]*

(1/93)

(See Instructions on Reverse Side)

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

7. Spot 8 bbl 8.6 ppg mud from 3160 ft to 2840 ft. TOH.
8. Perf sqz holes at 2840 ft. Set CICR at 2790 ft. Pump 34 sx Class C with 2% CaCl₂ below CICR. Sting out, dump 5 sx cmt on top of CICR. Pull up 50 ft, reverse circulate any cmt from tbg.
9. Spot 65 bbls 8.6 ppg mud from 2740 ft to 40 ft.
10. TOH to 40 ft. Pump 4 sx Class C neat. TOH.
11. Run 40 ft of 1" tbg between 5-1/2" and 8-5/8" csg strings. Pump 6 sx Class C neat.
12. Cut off wellhead. BLM will notify whether or not to install a marker.
13. Redress location per BLM/Forest Service requirements.

Approved by _____
Date _____
FOR RECORD ONLY

Upper Valley Unit #7

Sec 24-36S-1E

Garfield Co., UT

RCC 12-20-94

WIW

KB = NA

Well originally P'd in open hole B-67. Re-entered
and ran 5 1/2" csg 11-69.

2789' 8 9/8" 24-lb csg w/700 sx; cmt to cfc 7-67

7 7/8" bit

3210'

Navajo

5265'

TOC calc'd at 6000 ft per Tenneco records

6553' Baker hook-set pkr (not set) w/Lynes Sentry System. Pkr will not
move above 6429 ft. Detail attached.

6717

6726

6747

1 spf, acid K-2 5-72 cmt spz 11-81

6766

6768

1 spf, acid K-3 5-72 cmt spz 11-81

6810

6860

4 spf, acid K-4 11-69 cmt spz 11-81; reperf & acid 11-81

PSTD 6935'

7011' 5 1/2" 15.5-lb K-55 w/300 sx 11-69

2 7/8"
7.2-lb
Duo-line
log



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

U-019379

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

Upper Valley

9. Well Name and Number

Upper Valley Unit #7

10. API Well Number

43-017- 20258

11. Field and Pool, or Wildcat

Upper Valley

1. Type of Well

☐ Oil Well☐ Gas Well☐ Other (specify)

2. Name of Operator

Citation Oil & Gas Corp.

3. Address of Operator

8223 Willow Place South Ste 250 Houston, TX

4. Telephone Number

713-469-9664

5. Location of Well

Footage : 1706' FNL & 882' FEL

County : Garfield

QQ, Sec. T., R., M. : Sec. 24, T36S, R1E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion 5-9-96

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU. TIH w/CICR & set @ 6300'. Could not pump into perms @ 1550 psi. Tested csg to 425 psi. OK. Spot 17 sx "B" on top of CICR. ±150'. Spot 19 bbls pkr fluid above cmt. Perfed sqz holes @ 5315'. Could not pump into sqz holes. Perfed @ 5265'. TIH w/ CICR to 5202'. Pumped 36 sx "B" below CICR, spot 6 sx on top. Spot 45 bbls pkr fld to 3260'. Perfed sqz holes @ 3260'. Set CICR @ 3196'. Pumped 36 sx below CICR & spotted 6 sx on top. Spot 7½ bbls pkr fluid to 2840'. Perfed sqz holes @ 2840'. Set CICR @ 2789'. Pumped 38 sx "B" below CICR & 6 on top. Spot 64 bbls pkr fluid to 40'. Perfed holes @ 40'. Pumped cmt into 5½" csg. Pumped 40' surface plug in 5½" X 8 5/8" csg. Pumped cmt down parasite string. Set marker. Well plugged and abandoned on 5-9-96.

14. I hereby certify that the foregoing is true and correct

Name & Signature

Sharon Ward

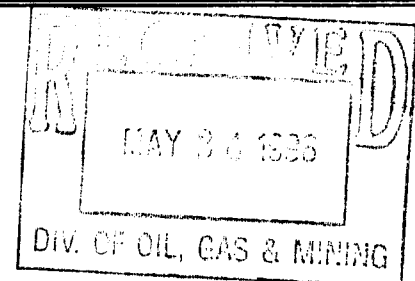
Sharon Ward

Title Regulatory Admin

Date

5-21-96

(State Use Only)





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 19, 1996

Citation Oil & Gas Corp.
8223 Willow Place S Suite 250
Houston, Texas 77070-5623

Re: Pressure Test for Mechanical Integrity, Injection Wells,
Upper Valley Field, Garfield County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of September 16, 1996 as outlined below:

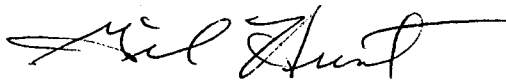
1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

Page 2
Citation Oil & Gas Corp.
August 19, 1996

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5338 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gil Hunt".

Gil Hunt
Environmental Manager, Oil & Gas

Enclosure

CITATION OIL	43-017-11221	#1
CITATION OIL	43-017-30007	#16
CITATION OIL	43-017-16028	#5
CITATION OIL	43-017-30065	#34
CITATION OIL	43-017-30048	#36
CITATION OIL	43-017-30041	#24
CITATION OIL	43-017-30036	#26
CITATION OIL	43-017-30130	#39
CITATION OIL	43-017-20258	#7
CITATION OIL	43-017-30047	#33
CITATION OIL	43-017-30033	#25
CITATION OIL	43-017-30030	#23
CITATION OIL	43-017-30013	#19

36S	01E	11	INJW
36S	01E	11	INJW
36S	01E	12	INJW
36S	01E	13	INJW
36S	01E	14	INJI
36S	01E	23	INJW
36S	01E	24	INJI
36S	01E	24	INJW
36S	01E	24	INJI
36S	01E	36	INJW
36S	01E	36	INJW
36S	02E	30	INJW
37S	02E	6	INJW